

ABSTRACT OF THE DISCLOSURE

A heat controller has a composite material formed by
5 combining a base material radiating a large amount of heat
at a high-temperature phase with a phase-change substance
having insulation properties at a high-temperature phase,
having metallic properties at a low-temperature phase,
radiating a small amount of heat at a low-temperature phase,
10 and having a high reflectivity in the thermal infrared region
at a low-temperature phase, so as to control the temperature
of an object.

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